

**CLAIMS:**

1. A reflector for a lamp, in particular with a high-pressure gas discharge luminous body, with an interior surface and an exterior surface, characterized by a coating made of temperature-resistant tenacious plastic.
2. A reflector as claimed in claim 1, characterized in that the coating consists of fluoropolymer.
3. A reflector as claimed in claim 1 or 2, characterized in that the coating forms the exterior surface of the reflector.
4. A reflector as claimed in one of the claims 1 to 3, characterized in that the coating extends over the entire circumference, but only over a part of the length of the reflector.
5. A reflector as claimed in one of the claims 1 to 4, characterized in that the coating is heat- and/or light-shielding.
6. A reflector as claimed in one of the claims 1 to 4, characterized in that the coating is transparent towards light and/or heat.